TEE/BCAC501/2019/2021 - 22

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Bachelor of Computer Applications
Course Name – Internet Technologies
Course Code - BCAC501
(Semester V)

Time : 1 Hr.15 Min.

Full Marks : 60

[The figure in the margin indicates full marks.]

Group-A
(Multiple Choice Type Question)

1 x 60=60

Choose the correct alternative from the following :

(1) Which of the following is/are layers in the OSI model, but not in TCP / IP model?
a) Application
c) Data Link
b) Session
d) Physical

(2) Which one of the following protocols is not used in internet?
a) HTTP
c) DNS
b) DHCP
d) NAT

(3) What does Error 404 mean?
a) The server could not find the required URL
c) The path to the interpreter of the script is not valid
b) Requested HTML file is not available
d) The requested HTML file does not have sufficient permissions

(4) Which address is reserved for loopback address?
a) 192.168.0.0
c) 127.0.0.1
b) 127.10.0.0
d) 192.168.0.255

(5) Who provides us internet
a) TCP
c) FTP
b) ISP
d) HTTP

(6) The design issue of data link Layer in the OSI Reference Model is
a) Framing
c) Synchronization of bits
b) Representation of bits
d) Connection control

(7) The process of transferring files from a computer on the Internet to your computer is called
a) Uploading
c) FTP
b) Forwarding
d) Downloading

(8) DNS database contains _____

a) name server records   b) hostname-to-address records

c) hostname aliases   d) all of the mentioned

(9) When displaying a web page, the application layer uses the _____

a) HTTP protocol   b) FTP protocol

c) SMTP protocol   d) TCP protocol

(10) The 4 byte IP address consists of

a) network address   b) host address

c) both network address & host address   d) only subnet address

(11) Application layer offers _____ service.

a) End to end   b) Process to process

c) Both End to end and Process to process   d) Door to door

(12) Electronic mail uses which Application layer protocol?

a) SMTP   b) HTTP

c) FTP   d) SIP

(13) IP assigned for a client by DHCP server is

a) for a limited period   b) for an unlimited period

c) not time dependent   d) Both for a limited period & for an unlimited period

(14) If DHCP snooping is configured on a LAN switch, then clients having specific _____ can access the network

a) MAC address   b) IP address

c) Both MAC address and IP address   d) Port address

(15) The file transfer protocol is built on

a) data centric architecture   b) service oriented architecture

c) client server architecture   d) connection oriented architecture

(16) Typically the TCP port used by SMTP is

a) 25   b) 35

c) 50   d) 15

(17) To achieve reliable transport in TCP, _____ is used to check the safe and sound arrival of data

a) Packet   b) Buffer

c) Segment   d) Acknowledgment

(18) Which layer links the network support layers and user support layers

a) session layer   b) data link layer

c) transport layer   d) network layer

(19) Which address identifies a process on a host?

a) physical address   b) logical address

c) port address   d) specific address

(20) Transmission data rate is decided by

a) network layer   b) physical layer

c) data link layer   d) transport layer

(21) The values GET, POST, HEAD etc are specified in _____ of HTTP message

a) Request line   b) Header line

c) Status line

d) Entity body

(22) Pseudo-classes In CSS

a) Match A Specified Element

b) Select The Active Links

c) Are Used To Select All The Visited Links

d) Are Used To Define A Special State Of An Element

(23) Which of the following selector selects the elements that are checked?

a) E ~ F

b) ::after

c) checked

d) Notify

(24) Which of the following selector selects the elements that are currently enabled?

a) :element

b) :empty

c) :enabled

d) :nochild

(25) Which of the following selector selects elements that do not match the selector s?

a) :!(s)

b) :nth-child(s)

c) :not(s)

d) :new

(26) Which of the following selector selects the element that is the target of a referring URI?

a) :target

b) :selection

c) ::selection

d) :URI

(27) Which of the following selector selects all elements of E that have the attribute attr that end with the given value?

a) E[attr^=value]

b) E[attr$=value]

c) E[attr*=value]

d) E[attr%=value]

(28) The _____ attribute is used to define the name(s) of the class(es) to which a particular tag belongs.

a) Class

b) element

c) id

d) root

(29) Which of the following selectors selects direct descendants?

a) E > F

b) E F

c) E + F

d) E ~ F

(30) Which of the following selectors selects adjacent siblings?

a) E > F

b) E F

c) E + F

d) E ~ F

(31) Find the specificity of this "li".

a) specificity = 0,0,0,1

b) specificity = 0,0,1,1

c) specificity = 0,1,1,1

d) specificity = 1,1,1,1

(32) Which of the following elements are block and inline elements, respectively, that have no particular rendering?

a) div

b) span

c) box-model

d) both div and span

(33) Which property specifies if/how an element is displayed?

a) background-color

b) border

c) color

d) display

(34) Which property associates a background image with an element?

a) Image

b) background-image

c) float

d) background-color

(35) Which version of PHP introduced Try/catch Exception?

a) PHP 4

b) PHP 5

c) PHP 5.3

d) PHP 6

(36) Which function in PHP incorporates a file?

a) restore

b) resume

c) include

d) insert

(37) Array index in PHP starts from

a) 0

b) 1

c) 2

d) 4

(38) Which function returns an array consisting of associative key/value pairs?

a) count()

b) array_count()

c) array_count_values()

d) count_values()

(39) Which variable is used to collect form data sent with both the GET and POST methods?

a) $_GET

b) $_BOTH

c) $_REQUEST

d) $REQUEST

(40) You can extend the exception base class, but you cannot override any of the preceding methods because they are declared as.

a) Protected

b) Final

c) static

d) private

(41) Which directive determines whether PHP scripts on the server can accept file uploads?

a) file_uploads

b) file_upload

c) file_input

d) file_intake

(42) Which one of the following is the right way to clone an object?

a) _clone(targetObject);

b) destinationObject = clone targetObject;

c) destinationObject = _clone(targetObject);

d) destinationObject = clone(targetObject);

(43) The class to which the parent class inherits features is called _____

a) Child class

b) Parent class

c) Super class

d) Base class

(44) Which method is used to tweak an object's cloning behavior?

a) clone()

b) __clone()

c) _clone

d) object_clone()

(45) Which magic method is used to implement overloading in PHP?

a) __call

b) __invoke

c) __wakeup

d) __unset

(46) Which function is responsible for sending a custom message to the system log?

a) systemlog()

b) syslog()

c) log_system()

d) sys_log()

(47) Which one of the following does not describe a validating filter?

a) Are used to allow or disallow specific characters in a string

b) Are used to validate user input

c) Strict format rules

d) Returns the expected type on success or FALSE on failure

(48) Data Encryption Techniques are particularly used for _____

a) Protecting data in Data Communication Syst

b) Reduce Storage Space Requirement

em

c) Enhances Data Integrity

d) Decreases Data Integrity

(49) VPN is abbreviated as _____

a) Visual Private Network

b) Virtual Protocol Network

c) Virtual Private Network

d) Virtual Protocol Networking

(50) Which of the statements are not true to classify VPN systems?

a) Protocols used for tunnelling the traffic

b) Whether VPNs are providing site-to-site or remote access connection

c) Securing the network from bots and malwares

d) Levels of security provided for sending and receiving data privately

(51) Site-to-site VPNs are also known as _____

a) Switch-to-switch VPNs

b) Peer-to-Peer VPNs

c) Point-to-point VPNs

d) Router-to-router VPNs

(52) For secure connection, Remote access VPNs rely on _____ and _____

a) IPSec, SSL

b) L2TP, SSL

c) IPSec, SSH

d) SSH, SSL

(53) _____ masks your IP address.

a) Firewall

b) Antivirus

c) VPN

d) Incognito mode

(54) The DSS signature uses which hash algorithm?

a) MD5

b) SHA-2

c) SHA-1

d) Does not use hash algorithm

(55) In the handshake protocol which is the message type first sent between client and server?

a) server_hello

b) client_hello

c) hello_request

d) certificate_request

(56) Which is the lowest level in the SSH protocol stack?

a) SSH Transport Layer Protocol

b) TCP

c) IP

d) SSH User Authentication Protocol

(57) The protocol 'POP' stands for-

a) Personal Office Protocol

b) Post Office Protocol

c) Privacy Overall Protocol

d) Privacy Over Protocol

(58) Wi-Fi stands for-

a) Wireless Fidelity

b) Wireless LAN

c) Wireless FLAN

d) Wireless Wi-Fi

(59) WPA stands for –

a) Wired Protected Access

b) Wireless Protected Access

c) Wireless Personal Access

d) Wired Personal Access

(60) In which part of the HTML metadata is contained?

a) body tag

b) html tag

c) head tag

d) title tag